

Michael S. Banik

Current Position:

Vice President Research and Development for Boston Scientific, Microvasive Endoscopy.

Responsible for all Product development activities for Endoscopy and Chair of the Boston Scientific Innovation Task Force.

Products developed:

- Biliary access devices inclusive devices for papilla access and cutting
- Biliary stone retrieval devices
- Dilatation devices for esophageal cancer
- Metallic self expanding stents for colon, esophageal, biliary cancer
- Bioabsorbable self-expanding stents for biliary cancer
- Full thickness resection device first totally endoscopic resection device
- Biopsy devices
- Needles for lung sampling
- Guidewires (.035, .018, .010) both nitinol and SS
- GERD Product concepts

Director of Research and Development for Boston Scientific, Meditech Division

Products developed:

- Vascular dilatation balloons and catheters (Blue Max, Ultrathin, Small Vessel, PEMT V)
- Inflation devices for balloon catheters (LeVeen inflator)
- Specialty guidewires (Craig, Katzen wires)
- Dilatation balloons for stent delivery (JNJ Palmaz stent delivery balloon)

Procedures Developed:

- Accelerated aging protocol
- Worked with FDA on guideline for vascular dilatation balloon testing guideline

Previous Positions:

Senior Manager Product Development, Ethicon Endo Surgery, Cincinnati, OH

Products Developed:

- Laposcopic instruments
- Trocars
- Staplers, cutters and ligation instruments
- Trocar and laposcopic insulation instrument isolation devices

Manager Product Development and Advanced Engineering for Baxter Travenol Labs, Chicago, IL.

Products Developed:

- Urinary drainage bags
- First silver coated catheters for reduction in UTI
- Urinary tract reduction devices
- Intravenous needles
- IV solution storage containers
- Plasma pooling containers
- Factor VIII isolation process development
- Drug delivery systems

Inventions:

United States Patents Awarded (14 issued US patents, 10 pending with office actions)

Foreign applications and patents not included.

Patent	Issued	Title
US06179776	01/30/2001	Controllable endoscopic sheath apparatus and related method of use
US06053877	04/25/2000	Moveable sample tube multiple biopsy sampling device
US05976158	11/02/1999	Method of using a textured ligating band
US05961534	10/05/1999	Multi-motion side cutting biopsy sampling device
US05871453	02/16/1999	Moveable sample tube multiple biopsy sampling device
US05823971	10/20/1998	Multiple biopsy sampling coring device
US05779648	07/14/1998	Multi-motion cutter multiple biopsy sampling device
US05601585	02/11/1997	Multi-motion side-cutting biopsy sampling device
US05573008	11/12/1996	Multiple biopsy sampling coring device
US05545142	05/13/1996	Seal members for surgical trocars
US05476099	12/19/1995	High velocity tissue sample cutter
US05471992	12/05/1995	Multi-motion cutter multiple biopsy sampling device
US05256149	10/26/1993	Trocar having transparent cannula and method of using
US04225622	09/30/1980	Protein hydrolysis products from limed splits

Recent speaking engagements and other publications:

Presented “ New innovations within Micro Endoscopy” World’s Congress for Micro Technology, Hanover Germany Sept. 2000

Presented “ Endoluminal Surgical Technology for Full Thickness Resection of the Bowel”. SMIT Conference, London, England Sept 1998.

Co-Chaired Session on “Endoluminal Surgery” with Dr. Wantanbi Tokyo, Japan. SMIT Conference, London, England Sept 1998.

Co-Sponsored June issue of SMIT 1999 for Endoscopic Stenting Technology and Applications with Dr. Andy Adams, London England.

Co-Chaired Session on “Endoscopic applications for Device Technology” German Congress Of Endoscopy 1998, Munich, Germany.

Presented “New Dilatation Technology with Controlled Radial Expansion”. German Congress of Endoscopy 1998, Munich, Germany.

Presented “New Endoscopic Technologies for Micro Endoscopy” World MicroTech Congress, Worlds Exposition 2000, Hanover Germany

Societies and conferences attended:

Attended the last 8 years of the DDW and ASGE, inclusive courses and lectures on Endoscopy.

Attended the 6 UEGW and World Congresses of Endoscopy.

Attended SAGES and ACS meetings.

Current member of Society for Minimally Invasive Surgery.

Technology Advisory Board Member for MITAT (Minimally Invasive Therapy & Allied Technologies, (formally SMIT) London, England.

Education:

BS. Chemistry University of Illinois Chicago

MBA Keller Graduate School

Post Graduate work in Chemical Engineering Illinois Institute of Technology

Faculty member of the Steinbeis Hochschule Berlin, Germany Instructing a MBA course on Medical Device Product Development Processes May 2001